Amendments to the Claims:
Listing of the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-4 (canceled)

5. (currently amended) An isolated polynucleotide comprising a nucleic acid sequence that encodes a protein comprising the amino acid sequence set forth in SEQ ID NO: 2, or the complete complement of said nucleic acid sequence, or both.

6. (currently amended) An isolated polynucleotide comprising a nucleic acid sequence which encodes a polypeptide that interacts with and activates an estrogen receptor and a progesterone receptor, said polypeptide comprising an amino acid sequence which is at least ~~85%~~ 95% identical to SEQ ID NO:2, and wherein the differences between the amino acid sequence of said polypeptide and SEQ ID NO:2 are due to conservative amino acid substitutions.

7. (previously presented) The isolated polynucleotide of claim 5, wherein the polynucleotide is incorporated into an expression vector, a viral vector, or a liposome.

8. (currently amended) An isolated polynucleotide comprising a sequence which is complementary to the entire nucleic acid sequence set forth in SEQ ID NO: 1 or the protein encoding portion of SEQ ID NO: 1.

9. (previously presented) A primer set comprising a first purified primer comprising a sequence which is identical to a first sequence of 10 or more contiguous nucleotides in the protein encoding portion of SEQ ID NO.1, and a second purified primer comprising a sequence which is complementary to a second sequence of 10 or more contiguous nucleotides in the protein encoding sequence of SEQ ID NO. 1, wherein each of said primers has a G + C content of at least 40%.

10. (previously presented) A primer set comprising at least two purified oligonucleotides wherein one of said oligonucleotides comprises SEQ ID NO: 3 and another of said oligonucleotides comprises SEQ ID NO:4.

11-22 (canceled)

23. (previously presented) The isolated polynucleotide of claim 5, wherein the polynucleotide comprises the protein encoding sequence of SEQ ID NO. 1.

24. (previously presented) An isolated polynucleotide, comprising on or both of the following:

(a) an altered SEQ ID NO. 1,

(b) the complement of (a),

wherein the alterations to SEQ ID NO:1 comprise one or both of the following:

i) addition or inclusion of restriction sites in SEQ ID NO: 1; and

ii) replacement of naturally occurring codons in SEQ ID NO: 1 with non-naturally occurring codons that permit expression of said polynucleotide in a host cell.

25. (previously presented) An isolated polynucleotide, comprising on or both of the following:

(a) an altered protein encoding portion of SEQ ID NO. 1,

(b) the complement of (a),

wherein the alterations to the protein encoding portion of SEQ ID NO:1 comprise one or both of the following:

i) addition or inclusion of restriction sites in the protein encoding portion of SEQ ID NO: 1; and

ii) replacement of naturally occurring codons in the protein encoding portion of SEQ ID NO: 1 with non-naturally occurring codons that permit expression of said polynucleotide in a host cell.